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{ Sbegin RUFUSR,v04-000

{*****
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{* Facility: Recovery Unit Management Facility

{* Abstract:
{* This module contains the RU argument list definitions, RU id
{* definitions, and status codes.

{* Author: Ron Schaefer Creation Date: 24-Oct-1980

{* Modified By:

{* V03-009 PRB0186 Paul R. Beck 2-MAY-1983 17:32:01
{* Change format of RUID to include CSID, EPID.
{* Add RUFSC_PHASE2 code for start-of-phase-2 notification.{* V03-008 PRB0138 Paul R. Beck 8-MAR-1983 11:35:39
{* Add RUFSC_RUH.{* V03-007 PRB0117 Paul R. Beck 3-Feb-1983
{* Source merge of all update packets to date.{* V03-006 JAY0006 John A. Ywoskus 24-Aug-1982
{* Remove error messages (moved to RUFMSG).{* V03-005 JAY0005 John A. Ywoskus 29-Jul-1982
{* Rename PHASE2 code to PHASE2_END.{* V03-004 JAY0004 John A. Ywoskus 26-Jul-1982
{* Add RSNCODE RUF field.

{* V03-003 JAY0003 John A. Ywoskus 22-Jul-1982

Add the following handler action codes:
PHASE1-END, RESET-END.

V03-002 JAY0002 John A. Ywoskus 30-Jun-1982
Change RUID format.

V03-001 JAY0001 John A. Ywoskus 16-Jun-1982
fix Idents, comments, etc.

Previously Modified By: John A. Ywoskus

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```
{  
{ Recovery-unit handler argument list definitions and  
{ recovery-unit service codes passed to handlers  
{  
module SRUFDEF;  
  
aggregate RUFDEF structure fill prefix RUFS;  
    ARGCOUNT longword unsigned; /* arglist count  
    PARAM longword unsigned; /* user param ptr  
    RUID longword unsigned; /* recovery unit id ptr  
    RUCODE longword unsigned; /* handler's action code ptr  
    constant MIN_CODE equals 1 prefix RUF tag $C: /* minimum code  
    constant START equals 1 prefix RUF tag $C: /* start a recovery unit  
    constant PHASE1 equals 2 prefix RUF tag $C: /* starting phase 1 end  
    constant PHASE1_END equals 3 prefix RUF tag $C: /* finished phase 1 end  
    constant PHASE2 equals 4 prefix RUF tag $C: /* starting phase 2  
    constant PHASE2_END equals 5 prefix RUF tag $C: /* finished phase 2 end  
    constant MARKPOINT equals 6 prefix RUF tag $C: /* create a markpoint  
    constant RESET equals 7 prefix RUF tag $C: /* start reset to a markpoint  
    constant RESET_END equals 8 prefix RUF tag $C: /* reset completed  
    constant CANCEL equals 9 prefix RUF tag $C: /* terminate a recovery unit abnormally  
    constant CANCEL_END equals 10 prefix RUF tag $C: /* cancel completed  
    constant MAX_CODE equals 10 prefix RUF tag $C: /* maximum code  
    RSNCODE longword unsigned; /* service invocation reason code ptr  
    constant USER equals 1 prefix RUF tag $C: /* user invoked service  
    constant RUF equals 2 prefix RUF tag $C: /* RUF invoked service  
    constant RUM equals 3 prefix RUF tag $C: /* Recovery Unit Handler requested service  
    MARKPT longword unsigned; /* markpoint value ptr  
    constant ARGLEN equals . prefix RUFS tag K:  
    constant ARGLEN equals . prefix RUFS tag C:  
    constant ROLLFWD equals 1 prefix RUF tag $C: /* roll-forward journal entry  
    constant ROLLPBK equals 2 prefix RUF tag $C: /* roll-back journal entry  
    constant ROLL_FWD_BACK equals 3 prefix RUF tag $C: /* forward and back entry  
end RUFDEF;  
  
end_module SRUFDEF;  
  
module SRUIDDEF;
```

```
/*
/* Structure of recovery-unit id
/*
aggregate RUIDDEF structure fill prefix RUID$;
    TIME quadword unsigned;           /* system time in 10ms. units
    CSID longword unsigned;          /* cluster ID
    EPID longword unsigned;          /* PID of initiating process
    constant "LENGTH" equals .prefix RUID$ tag K;
    constant "LENGTH" equals .prefix RUID$ tag C;
end RUIDDEF;
end_module SRUIDDEF;
```

0045 AH-BT13A-SE
VAX/VMS V4.0

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